



# PUBLIC NOTICE

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**FCC RELEASES STUDY OF RF CURRENT REDUCTION PROVIDED  
BY WORK GLOVES AT AM RADIO BROADCAST FREQUENCIES**

The Commission has released a study entitled, "RF Current Reduction Provided by Work Gloves at AM Radio Broadcast Frequencies" (FCC Reference Number: FCC/OET RTA-93-01). This study was performed for the FCC's Office of Engineering and Technology by Richard Tell Associates, Inc. The purpose of the study was to investigate the ability of various types of work gloves to reduce the magnitude of RF current flowing into the hand when grasping an electrode.

Contact by workers with energized AM radio broadcast towers can lead to radiofrequency (RF) burns unless mitigation methods are used. In this study measurements were made of currents flowing into the arm of an individual when grasping a one-inch diameter copper tube connected to the output of a signal generator. The results of measurements taken of five different types of work gloves suggest that the use of heavy duty leather gloves can be very effective in reducing contact currents at AM radio frequencies and can play a useful role in mitigating excessive contact currents while climbing hot AM towers.

Paper and microfiche copies of the study are available for purchase through the National Technical Information Service (NTIS), (703) 487-4650 or (800) 553-NTIS (rush orders only). The NTIS accession number for this report is PB94-117041. Copies can also be purchased from the FCC's contractor for public records duplication, International Transcription Service, Inc., (202) 857-3800. For specific information concerning the study contact Dr. Robert Cleveland, (202) 653-8169 or David Szypulski at (202) 653-8152.

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